



## The Society of Tribologists and Lubrication Engineers

### *Tribology; Connecting Applications with Chemistry*

#### Two Day Technical Seminar March 16 & 17, 2005

This training is designed to meet a broad range of tribology and lubrication educational needs. The subjects have been chosen to cover basic lubrication concepts as well as introduce new topics, for entrants to this industry and to sharpen the skills of experienced sales, marketing, and technical personnel. This seminar is not intended as preparation for the CLS/OMA exams.

**CLS/OMA exams** are being given at Argonne National Lab on March 18 at 9:00AM. (Information/Application: [www.stle.org](http://www.stle.org), Phone (847) 825-5536.)

**Location:** Argonne National Laboratories, Argonne, IL  
Near Chicago O'Hare and Midway airports.  
(No on-site registration. Security clearance is required to enter Argonne. Non-US citizens should allow one month for obtaining security clearance.)

**Lodging:** A block of rooms is being held until March 1 at the Argonne Guest House, a short walk from the seminar. Single Rooms \$65/night, double \$75. Call for reservations: (800) 632-8990 or (630) 739-6000. Mention STLE lube school.

**Tabletop Exhibits:** Participants may reserve tabletops, for the display of promotional materials during meals and breaks, for \$125. Event sponsors will be offered complimentary tabletops. Sponsorships are available for meals, refreshment breaks, and handouts (\$125 minimum).

# STLE, Chicago Section 2005 Education Program Tribology; Connecting Applications with Chemistry

### Wednesday, March 16, 2005

7:30 - 8:15 **Registration & Continental Breakfast**

8:15 - 8:20 **Introduction**  
Ted McClure  
Education Chairman

8:20 - 9:10 **Fundamentals of Lubrication**  
Daniel G. Holdmeyer, CLS  
ChevronTexaco Global Lubricants

9:15 - 10:05 **Nanotribology**  
Dr. Robert Carpick  
University of Wisconsin - Madison

10:05 - 10:25 **Break**

10:30 - 11:20 **Lubricant Additives**  
Alan J. Laning, CLS  
The Lubrizol Corporation

11:25 - 12:15 **Industrial Lubricant Specification Tests and Their Relevance to Field Performance**  
William N. Hoskins, P.E., CLS  
Predict

12:15 - 1:15 **Lunch**

1:15 - 2:45 **Industrial Lubricants: Function and Performance Primer**  
Daniel D. McCoy  
The Lubrizol Corporation

2:50 - 3:10 **Break**

3:15 - 4:05 **Vegetable Oil Based Lubricants**  
Dr. Joseph M. Perez  
Penn State University

4:10 - 5:00 **Lubricant Condition Monitoring**  
Jack Poley  
Poley International LLC

5:00 - 5:05 **Closing Remarks**  
Al Laning, Education Co-Chairman

5:30 - 8:30 **Chicago Section Monthly Meeting**  
Millennium Char House, 8025 S. Cass Ave  
Networking, Dinner, Technical Talk

### Thursday, March 17, 2005

7:45 - 8:30 **Continental Breakfast**

8:35 - 8:40 **Opening Comments**  
Ted McClure  
Education Chairman

8:45 - 9:35 **Metalworking Lubricants**  
Derek Phillips  
The Lubrizol Corporation

9:40 - 10:30 **Biocide Selection**  
Michelle Rioux  
Arch Chemicals Inc.

10:35 - 10:55 **Break**

11:00 - 11:50 **Mycobacteria, HP, and Metalworking Fluids**  
Leonard A. Rossmore  
Biosan Laboratories Inc.

11:50 - 12:50 **Lunch**

12:50 - 1:40 **Metalforming Lubricants and Tool Wear**  
Gregory Dalton, P.Eng., MASc  
TribSys

1:40 - 2:20 **Break and Tour**

2:25 - 3:15 **Synthetic Lubricants for Aviation**  
C. Ed Snyder, AFRL/MLBT  
Wright Patterson AFB

3:20 - 4:10 **Transportation, Energy Implications**  
Dr. George Fenske  
Argonne National Labs

4:10 - 4:20 **Closing Remarks and Certificates**  
Education Committee:  
Ted McClure; TribSys  
Alan Laning; The Lubrizol Corp.,  
Steve Lemberger; American Electrical Power

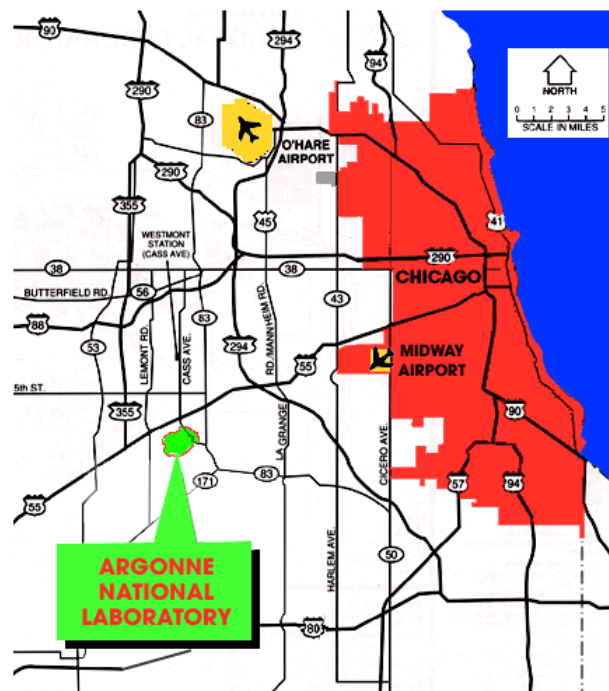
**STLE, Chicago Section "Tribology; Connecting Applications with Chemistry" Education Program**  
**Argonne National Laboratory, 9700 S. Cass Avenue, Argonne, IL 60439. Phone: 630/252-2000**

**To reach Argonne-East from O'Hare International Airport**, take I-294 south to I-55. Exit west on I-55 (toward St. Louis) and continue for about four miles to Cass Avenue. Exit south on Cass and turn right at the Argonne sign on Northgate Road, immediately south of I-55. Follow Northgate Road to the Argonne Information Center.

**To reach Argonne-East from Midway Airport**, take Cicero Avenue north to I-55. Enter I-55 south and continue for about 14 miles to Cass Avenue. Exit south on Cass and turn right at the Argonne sign on Northgate Road, immediately south of I-55. Follow Northgate Road to the Argonne Information Center.

**To reach Argonne-East by public transportation;**

PACE bus #715 leaves the Burlington/Westmont Metra station at 7:26 and 8:00AM, arriving at the Argonne Information Center at 7:40 and 8:15AM respectively. In the evening, PACE bus #715 leaves the Argonne Information Center at 5:25PM. Visitors planning on using public transportation to reach Argonne are advised to verify the bus schedule by calling PACE at 847/364-7223 or visiting the Pace home page at <http://www.pacebus.com/>.



**STLE, Chicago Education Program Registration Form**

Registration Deadline: March 11, 2005

Space is limited, so register early.

Name: \_\_\_\_\_

Position: \_\_\_\_\_

Organization: \_\_\_\_\_

Address: \_\_\_\_\_

Phone: \_\_\_\_\_ Fax: \_\_\_\_\_

Email: \_\_\_\_\_

**Are you a US Citizen?** ☐ Yes ☐ No

If you are not a US citizen please register by Feb. 15 to allow time for Argonne security clearance. Contact Ted McClure, Education Chairman, (219) 531-2583 or [tmccclure@tribsys.com](mailto:tmccclure@tribsys.com) to obtain form and information.

**Course Fees:** \$295 Member / \$375 Non-Member / \$175 Full Time Student

**Do you plan to attend Wed. evening technical meeting and dinner?** ☐ Yes ☐ No

Specify: Chicken, fish or vegetarian entrée

Meeting and meal complimentary for Education Program registrants

**Optional Tabletop for Display of Promotional Materials (\$125)?**

☐ Yes ☐ No

(Complimentary tabletops provided to sponsors)

**Sponsor meal, refreshments, or handouts (\$125 minimum)?** ☐ Yes ☐ No

**Questions:**

Chicago Section STLE Education Committee: Ted McClure; TribSys, [tmccclure@tribsys.com](mailto:tmccclure@tribsys.com), (219) 531-2583. Alan Laning; The Lubrizol Corp., [AJLA@lubrizol.com](mailto:AJLA@lubrizol.com), (630) 355-3605, Steve Lemberger; American Electric Power, [slemlberger@aep.com](mailto:slemlberger@aep.com) (269) 465-5901.

**Payment Information:**

Two Day Course Registration Fee includes:

Admission to the Education Program, Continental Breakfasts, Lunches, Break Refreshments, Handouts (CD and Binder), Certificate and admission to the STLE Section Meeting and Dinner on Wednesday evening

**To Pay by Check:**

Make checks payable to: *Chicago Section STLE*.

Mail Registration and Check to:

Ted McClure

STLE Chicago Section Education Chairman

99 West 550 North St

Valparaiso, IN 46385

**To Pay by Credit Card**

Type of Card: ☐ Visa ☐ Master Card

Credit Card # \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Total Amount (USD): \_\_\_\_\_

Name as it appears on card: \_\_\_\_\_

(Fax form to (847) 825-1456, atten: Judy Enblom, STLE National )

**Lodging:** A block of rooms is being held until March 1 at the Argonne Guest House, a short walk from the seminar. Single Rooms cost \$65/night, double \$75. Call for reservations: (800) 632-8990 or (630) 739-6000. Mention STLE lube school.